One Water, One Watershed

achieving sustainable water management through collaboration



Sustainability Outlook Pilot:

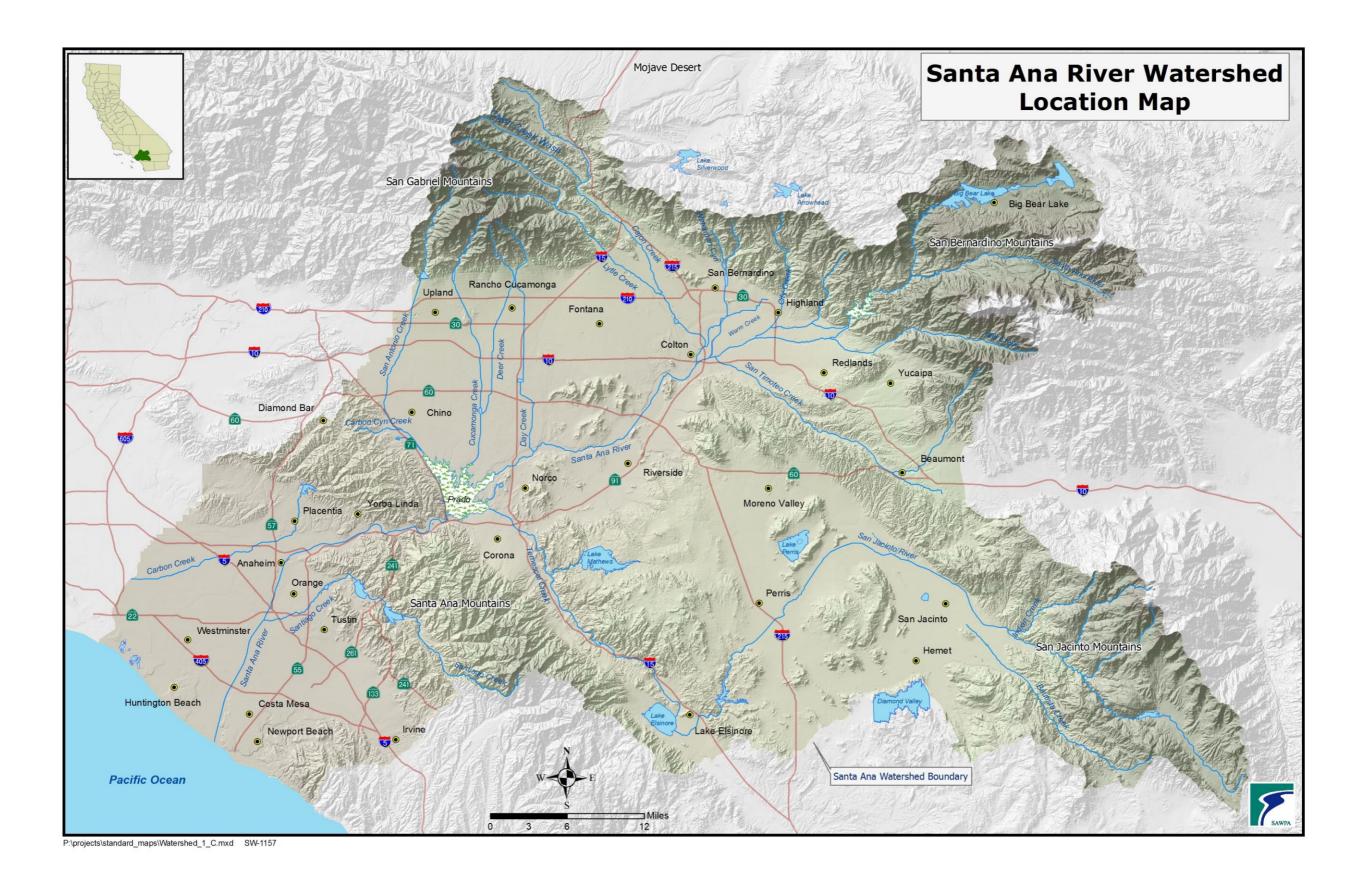
Thanks to DWR for sending support to conduct the pilot

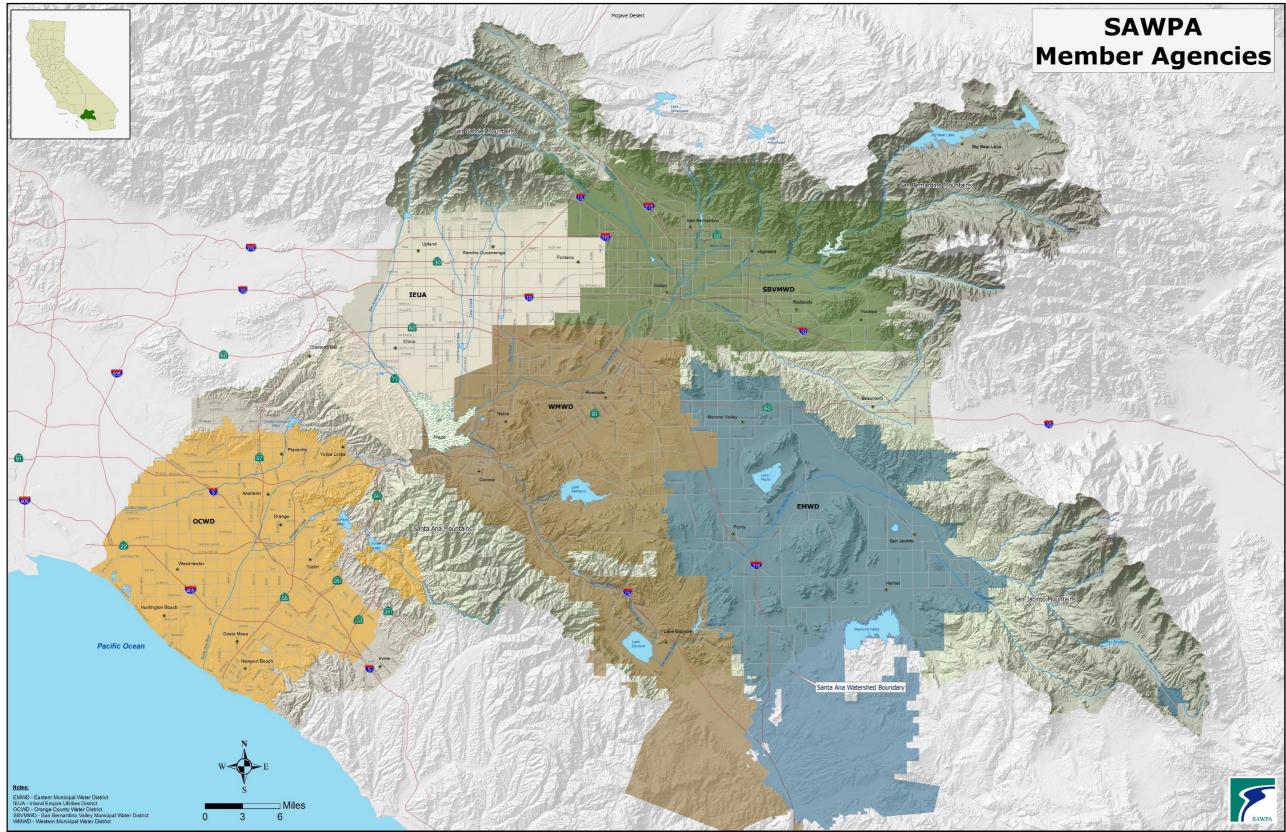
Environmental Science Associates:

Betty Andrews, Karen Lancelle, et. al.

The Bay Institute

Peter Vorster





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OWOW Program

Santa Ana Funding Area IRWM Program

Built from pre-IRWM regional planning efforts

Complies with, but broader than the IRWM Plan Standards

politics: the process by which groups of people make decisions

deliberation, negotiation, compromise

Collaborative, representative decision-making: OWOW Steering Committee

Appointed member San Bernardino San Bernardino of Santa Ana **Orange County** 2 SAWPA County **County City Regional Water** City elected **Commissioners Quality Control Supervisor** elected **Board** Riverside **Business Environmental** Riverside **Orange County** County **Community Advocacy County City Supervisor Supervisor** Representative elected Representative

negotiate shared goals

develop compromises

prioritize resources

OWOW Plan Update 2018 – Developing Shared Goals

Stakeholders, Pillars

Approved by the SC

Planning = "What strategies should be pursued to achieve our goals?"

- 1. Climate Risk & Resilience
- 2. Data Management & Monitoring
- 3. Disadvantaged Communities & Tribal Communities
- 4. Integrated Stormwater Management

- 5. Land Use & Water Planning
- 6. Nature Resource Stewardship
- 7. Water Quality
- 8. Water Recycling
- 9. Water Use Efficiency
- 8 10.Water Use Optimization

Achieve resilient water resources through innovation and optimization.

Ensure high quality water for all people and the environment.

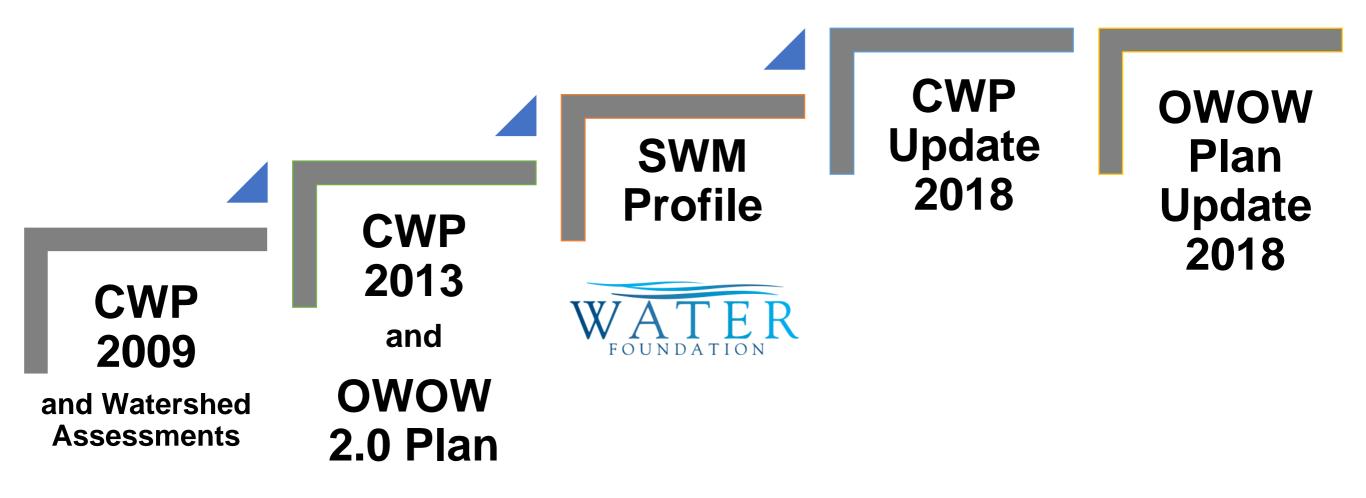
Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function.

Engage with members of disadvantaged communities and associated supporting organizations to diminish environmental injustices and their impacts on the watershed.

Educate and build trust between people and organizations.

Improve data integration, tracking and reporting to strengthen decision-making.

- Achieve resilient water resources through innovation and optimization.
- 2. Ensure high quality water for all people and the environment.
- Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function.
- Engage with members of disadvantaged communities and associated supporting organizations to diminish environmental injustices and their impacts on the watershed.
- 5. Educate and build trust between people and organizations.
- 6. Improve data integration, tracking and reporting to strengthen decision-making.





Stress (in the system)

VS.

(management) Response (to the stress)

Sustainable water management

What stress do we face?

What actions should we take?

Are we making a difference?

...repeat...

OWOW Program: Sustainability Outlook Pilot Vision

CWP Sustainability Outlook assesses stress, leveraging information supplied by the federated data management platform (AB1755)

And the OWOW Plan watershed assessment reflects management response, using indicators and metrics developed during this Pilot

Achieve resilient water resources through innovation and optimization.

- Reliability of locally managed supplies
- Efficiency of outdoor water use

Ensure high quality water for all people and the environment.

- Maintain groundwater salinity at or below targets
- Safety of water for contact recreation

Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function.

- Abundance of vegetated riparian corridor
- Abundance of conserved open space

Engage with members of disadvantaged communities and associated supporting organizations to diminish environmental injustices and their impacts on the watershed.

- Equitable access to clean drinking water
- Proportionate implementation of climate change adaptation strategies

Educate and build trust between people and organizations.

- Collaboration for more effective outcomes
- Adoption of a watershed ethic

Improve data integration, tracking and reporting to strengthen decision-making.

- Broad access to data for decisionmaking
- Participation in an open data process

Assessing progress



Goal

Ensure high quality water for all people and the environment.



Indicator

Maintenance of groundwater salinity at or below target levels



Metric

Non-exceedance of groundwater salinity standards





Indicator

Safety of water for contact recreation



Metric

Percentage of monitored sites where recreational use is likely and identified as low risk due to bacterial contamination



Assessing progress





Indicator

Collaboration for more effective outcomes



Metric

Percent of entities regulated by a total maximum daily load (TMDL) that have made financial or inkind contributions to TMDL implementation



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Indicator

Adoption of a watershed ethic



Metric

Total gallons of potable water used per capita per day watershed-wide



OWOW Sustainability Assessment Summary				
6 Goal	Indicator	Metric Metric	Scoring Situation	Score and Notes
Achieve resilient water resources through innovation and optimization	Reliability of locally-managed supplies	Percent of annual use derived from locally-managed supplies	Trend scoring approach. Potentially fully scorable data set if data can be rectified. Qualitative trend assessment - only one data point.	©
	Efficiency of outdoor water use	Percent of watershed population in agencies using parcel-level data to assess outdoor water use	Trend scoring approach. One partial data set: incomplete assessment of all watershed retailers and how parcel-level data is actually used. Qualitative trend assessment - our one data point.	©
Ensure high quality water for all people and the environment	Maintenance of groundwater salinity at or below target levels	Non-exceedance of groundwater salinity standards	Good-bad scoring acceptation. Fully scoring using quantitative open Compare most recent (2015) to average triennial quantitative data 2003-2012.	(:)
	Safety of water for contact recreation	Percentage of monitored sites where recreational use is likely and identified as low risk due to bacterial contamination	Scool Rad scoring approach. Fally scoring analy one prior year) using quantitative data.	:
Preserve and enhance recreational areas, open space, habitat, and natural hydrologic function	Abundance of vegetated riparian corridor	Change in area of vegetated riparian corridor	Trans sporing approach. Fully come based on quantitative data. Compare to average of prior 5 years of data.	(
	Abundance of conserved open space	Change in area of conserved open space	Trend scoring approach. Fully scoring based on quantitative data	<u>:</u>
Engage with members of disadvantaged communities and associated supporting organizations to diminish environmental injustices and their impacts on the watershed	Equitable access to clean drinking water	Difference in the drinking water contaminate is dex from CalEnviroScience Setween least resourced parts of the community and more resourced parts of the community	Trend scoring approach. Qualitative trend assessment - only one data point.	<u></u>
	Proportionate implementation of climate change adaptation strategies	Difference in tree and shrub datally between the resourced parts of the community and more resourced parts of the community and	Trend scoring approach. Qualitative trend assessment - only one data point.	<u></u>
Educate and build trust between people and organizations	Collaboration for more effective outcomes	Percent of control equilated by a total interment daily load (TMDL) that have made financial control of contributions to TMDL commentation	Trend scoring approach. Qualitative trend assessment - only one data point.	:
	Adoption of a watershed ethic	Total gallags of potable latter used per capita per day watershed-wide	Trend scoring approach. Fully scoring based on quantitative data. Compare to average of prior 10 years of data.	:
Improve data integration, tracking and reporting to strengthen decision-making	Broaden access to data for decision- making	Percent of water ned population in agencies whose residential customers receive relative performance information about their water use	Trend scoring approach. Qualitative trend assessment - only one data point.	©
	Participation in an open data process	Percent of watershed population in agencies participating in establishment of a regional data sharing system	Trend scoring approach. Qualitative trend assessment - only one data point.	<u></u>

A face with glasses indicates that the score results from a qualitative assessment.

What's next?

- •OWOW Plan Updates on the 3's and 8's.
- Assessments every year for the OWOW Steering Committee
- Watershed coordination for implementation, education, collaboration

What's next?

- Engagement w/ CWP Update 2023
 - Sustainability Outlook
 - Statewide management response indicators (regulatory, finance, etc.)
 - Stress indicators containers into which local/regional needs are placed
- Open & Transparent Data leveraged to support IRWM / CWP integration.



Thank you

